

DERWENT-ACC-NO: 1996-433639
DERWENT-WEEK: 199954
COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Lightweight sound absorbing component - comprises air layer
between
expanded fibre-reinforced thermoplastic resin and resin moulded body

INVENTOR: FUJIMAKI, M; FUNAKOSHI, S ; MASUI, S ; MATSUMOTO, T
; NAGAYAMA, K
; SUNADA, M ; YOSHITAKE, H

PATENT-ASSIGNEE: K-PLASHEET CORP[KPLAN], KAWASAKI STEEL
CORP[KAWI], SUMITOMO
CHEM CO LTD[SUMO], KEPURASHITO KKCO LTD[KEPUN]

PRIORITY-DATA: 1995JP-0156077 (June 22, 1995) , 1995JP-0052444
(March 13, 1995)
, 1995JP-0052445 (March 13, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
US 5981046 A	November 9, 1999	N/A	000 B32B
005/18			
WO 9628297 A1	September 19, 1996	J	044 B32B
003/26			
JP 08244125 A	September 24, 1996	N/A	005 B29D
009/00			
JP 08244150 A	September 24, 1996	N/A	005 B32B
003/26			
JP 09001714 A	January 7, 1997	N/A	006 B32B
005/28			
EP 765737 A1	April 2, 1997	E	027 B32B 003/26
KR 97702786 A	June 10, 1997	N/A	000 B32B
003/26			

DESIGNATED-STATES: KR US AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE DE F
I FR GB IT SE

CITED-DOCUMENTS: JP 1165742; JP 56151131 ; JP 6156161 ; JP
6270922

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	
US 5981046A	N/A	1996WO-JP00618	March 13,
1996			
US 5981046A	N/A	1996US-0737441	November 12,
1996			
US 5981046A	Based on	WO 9628297	N/A
WO 9628297A1	N/A	1996WO-JP00618	March 13,
1996			
JP 08244125A	N/A	1995JP-0052445	March 13, 1995
JP 08244150A	N/A	1995JP-0052444	March 13, 1995
JP 09001714A	N/A	1995JP-0156077	June 22, 1995
EP 765737A1	N/A	1996EP-0905996	March 13, 1996
EP 765737A1	N/A	1996WO-JP00618	March 13,
1996			
EP 765737A1	Based on	WO 9628297	N/A
KR 97702786A	N/A	1996WO-JP00618	March 13,
1996			
KR 97702786A	N/A	1996KR-0706396	November 12,
1996			
KR 97702786A	Based on	WO 9628297	N/A

INT-CL_(IPC): B29D009/00; B29D031/00 ; B29K101:12 ; B29K105:04 ;
B29K105:12 ; B32B003/02 ; B32B003/26 ; B32B005/02 ; B32B005/18 ;
B32B005/28 ; B32B007/02 ; B32B017/04 ; B32B027/00 ; B32B027/12 ;
B60R013/08 ; E04B001/82 ; E04B001/90 ; F01N001/24 ; F02B077/13 ;
G10K011/16 ; G10K011/162

ABSTRACTED-PUB-NO: US 5981046A

BASIC-ABSTRACT: A sound absorbing component includes an expanded
body of a
fibre-reinforced thermoplastic resin having a voids of at least 50 vol.% and

a
resin moulded body, wherein an air layer is disposed between the
expanded body
and the resin moulded body.

ADVANTAGE - Though light in weight and low in thickness, this sound
absorbing
component effectively absorbs sounds in a frequency range of 500 - 3000
Hz of
noise outside a car.

ABSTRACTED-PUB-NO: WO 9628297A
EQUIVALENT-ABSTRACTS: A sound absorbing component includes an
expanded body of
a fibre-reinforced thermoplastic resin having a voids of at least 50 vol.%
and
a resin moulded body, wherein an air layer is disposed between the
expanded
body and the resin moulded body.

ADVANTAGE - Though light in weight and low in thickness, this sound
absorbing
component effectively absorbs sounds in a frequency range of 500 - 3000
Hz of
noise outside a car.

CHOSEN-DRAWING: Dwg.1/29

TITLE-TERMS:
LIGHT SOUND ABSORB COMPONENT COMPRISE AIR LAYER
EXPAND FIBRE REINFORCED
THERMOPLASTIC RESIN RESIN MOULD BODY

DERWENT-CLASS: A95 P73 P86 Q17 Q51

CPI-CODES: A12-R06; A12-S04B; A12-S08D; A12-S08E;

ENHANCED-POLYMER-INDEXING:
Polymer Index [1.1]
018 ; H0317 ; S9999 S1309*R

Polymer Index [1.2]

018 ; ND01 ; Q9999 Q9234 Q9212 ; Q9999 Q9289 Q9212 ; B9999
B4193
B4091 B3838 B3747 ; B9999 B4842 B4831 B4740 ; B9999 B5243*R
B4740
; B9999 B3985 B3974 B3963 B3930 B3838 B3747 ; Q9999 Q6622
Q6611
; K9892 ; K9574 K9483 ; K9712 K9676 ; K9687 K9676 ; K9416

Polymer Index [1.3]

018 ; S9999 S1070*R ; A999 A419

Polymer Index [2.1]

018 ; P0000 ; S9999 S1434

Polymer Index [2.2]

018 ; ND01 ; Q9999 Q9234 Q9212 ; Q9999 Q9289 Q9212 ; B9999
B4193
B4091 B3838 B3747 ; B9999 B4842 B4831 B4740 ; B9999 B5243*R
B4740
; B9999 B3985 B3974 B3963 B3930 B3838 B3747 ; Q9999 Q6622
Q6611
; K9892 ; K9574 K9483 ; K9712 K9676 ; K9687 K9676 ; K9416

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-136086

Non-CPI Secondary Accession Numbers: N1996-365388